

Application No 10/628,207  
Application dated July 29, 2003  
Reply to office action of 30<sup>th</sup> October 2008

**REMARKS/ARGUMENTS**

Page 2 line 7

spring like structure

It means spring like structure. I have no idea how to use language to enlarge the scope of the patent, therefore after spring I added spring like structure. I authorize you to change this language.

Page 2 line 10-13

Drug amount at edges especially proximal edge. The restenosis is more at the edges of stent therefore I will like more dose of the drugs at the edges as it will be more effective in reducing the complications as restenosis etc. Thus additional drug doses at edges will be useful for our patients. I have especially mentioned proximal edge as there are various situations where proximal edge of stent is at critical position such as

ostial LAD and restenosis can effect distal left main

ostial LCx proximal edge coming again in distal left main

Ostial D1 can effect proximal LAD

Ostial OM1 can effect proximal LCx

Ostial PDA can affect main RCA bifurcation

These examples show that proximal edge problems at times will be more problematic than the original disease itself. Thus proximal edge complication as restenosis can be crucial. Therefore additional doses of drugs at the two edges especially proximal edge (more drug dose at edges than main part of stent and proximal edge dose more than distal edge) will be helpful for our patients.

page 2 of 4

Application No 10/628,207  
Application dated July 29, 2003  
Reply to office action of 30<sup>th</sup> October 2008

Page 3 line 3

In existing technology balloons are of two types, excluding cutting wire balloon.

(1)Over the wire

balloon lumen runs almost entire length till proximal end of balloon

main shaft with wire lumen runs entire length

(2)Rapid exchange (mono rail) – here balloon length is in two parts

1<sup>st</sup> part- a stiff part with balloon lumen

2<sup>nd</sup> part or distal part - this part is akin to the over the wire balloon

main shaft with wire lumen in it,

balloon lumen up to the proximal end of balloon.

As mentioned in initial application

#### SECTION-BRIEF SUMMARY OF INVENTION

In the balloon proximal to balloon the shaft will be missing in a significant length and this part will have a spring

#### SECTION DETAILED DESCRIPTION OF THE INVENTION

Following modifications will help

“Forward force; In the balloon proximal to balloon the shaft will be missing in a significant length and this part will have a spring(Figure 1A ), it will slowly get compressed in length with the force and transmit it forward. This segment will also have spirally running wires(Figure 1B) to act like a spring and absorb the force to transmit it forward.

page 3 of 4

Application No 10/628,207  
Application dated July 29, 2003  
Reply to office action of 30<sup>th</sup> October 2008

Above segment will be in part of balloon where guide wire is inside the shaft and above modification so that the direction is not lost."

Above language clearly indicates that main shaft in which wire is running will be missing in significant length and spring is attached to the two edges of the shaft. The balloon lumen is not required to change. This spring is compressed to transmit the force and thus in very tight stenosis the shaft will not curve or prolapse and will be useful for our patients as less endothelial injury to coronary vasculature.

**Page 3 specification**

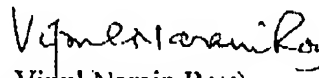
To save paperwork I initially attached a color picture and mentioned parts in it. I have only changed pictures on the lines of pictures given in references provided by you. There is no new information only picture has to be converted to more than one as now it is in black and white and the parts mentioned are in numerical form. Please note that there is no new information as compared to the initial application.

Please note that I live at a distance and visiting you several times is not easy. I thus authorize you to make required change in claim language or any other section language.

**Conclusion**

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

15<sup>th</sup> January 2009

  
(Dr. Vipul Narain Roy)

page 4 of 4

RECEIVED  
CENTRAL FAX CENTER

JAN 29 2009

Application No 10/628,207  
Application dated July 29, 2003  
Reply to office action of 30<sup>th</sup> October 2008

Above segment will be in part of balloon where guide wire is inside the shaft and above modification so that the direction is not lost."

Above language clearly indicates that main shaft in which wire is running will be missing in significant length and spring is attached to the two edges of the shaft. The balloon lumen is not required to change. This spring is compressed to transmit the force and thus in very tight stenosis the shaft will not curve or predapce and will be useful for our patients as less endothelial injury to coronary vasculature.

#### Page 3 specification

To save paperwork I initially attached a color picture and mentioned parts in it. I have only changed pictures on the lines of pictures given in references provided by you. There is no new information only picture has to be converted to more than one as now it is in black and white and the parts mentioned are in numerical form. Please note that there is no new information as compared to the initial application.

Please note that I live at a distance and visiting you several times is not easy. I thus authorize you to make required change in claim language or any other section language.

#### Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

15<sup>th</sup> January 2009

  
(Dr. Vipul Narain Roy)

page 4 of 4